

Title (en)
FORCE ACTUATED INJECTION DEVICE

Title (de)
KRAFTGESTEUERTE INJEKTIONSVORRICHTUNG

Title (fr)
DISPOSITIF D'INJECTION ACTIONNÉ EN FORCE

Publication
EP 3096820 A4 20180530 (EN)

Application
EP 15740615 A 20150121

Priority
• US 201461929768 P 20140121
• US 2015012152 W 20150121

Abstract (en)
[origin: US2015202373A1] An injection device including a barrel having an internal medication reservoir, a plunger received within the barrel and axially movable relative thereto, a grip fixed to the plunger and axially overlapping a portion of the barrel, the grip configured to be locked relative to the barrel to prevent axial movement therebetween, a needle attached to one end of the barrel, and a needle guard configured to retract into the barrel in response to force against an injection site to unlock the grip from the barrel to permit relative axial movement therebetween.

IPC 8 full level
A61M 5/32 (2006.01); **A61M 5/20** (2006.01); **A61M 5/31** (2006.01); **A61M 5/315** (2006.01); **A61M 5/46** (2006.01)

CPC (source: EP US)
A61M 5/20 (2013.01 - EP US); **A61M 5/31501** (2013.01 - EP US); **A61M 5/3158** (2013.01 - EP US); **A61M 5/3245** (2013.01 - EP US); **A61M 5/3287** (2013.01 - EP); **A61M 5/46** (2013.01 - US); **A61M 2005/208** (2013.01 - EP US); **A61M 2005/3126** (2013.01 - US)

Citation (search report)
• [XAI] WO 2012000834 A1 20120105 - SANOFI AVENTIS DEUTSCHLAND [DE], et al
• [A] US 2013204229 A1 20130808 - OLSON LORIN [US], et al
• [A] US 2001056263 A1 20011227 - ALCHAS PAUL G [US], et al
• [X] US 2011276006 A1 20111110 - MATTHIAS CLAUDIA [DE], et al
• See references of WO 2015112536A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 2015202373 A1 20150723; AU 2015209535 A1 20160804; AU 2015209535 B2 20170601; CA 2937327 A1 20150730; CA 2937327 C 20180227; CN 106029137 A 20161012; CN 106029137 B 20200515; EP 3096820 A1 20161130; EP 3096820 A4 20180530; MX 2016009374 A 20170208; WO 2015112536 A1 20150730; WO 2015112536 A8 20151112

DOCDB simple family (application)
US 201514601420 A 20150121; AU 2015209535 A 20150121; CA 2937327 A 20150121; CN 201580010340 A 20150121; EP 15740615 A 20150121; MX 2016009374 A 20150121; US 2015012152 W 20150121